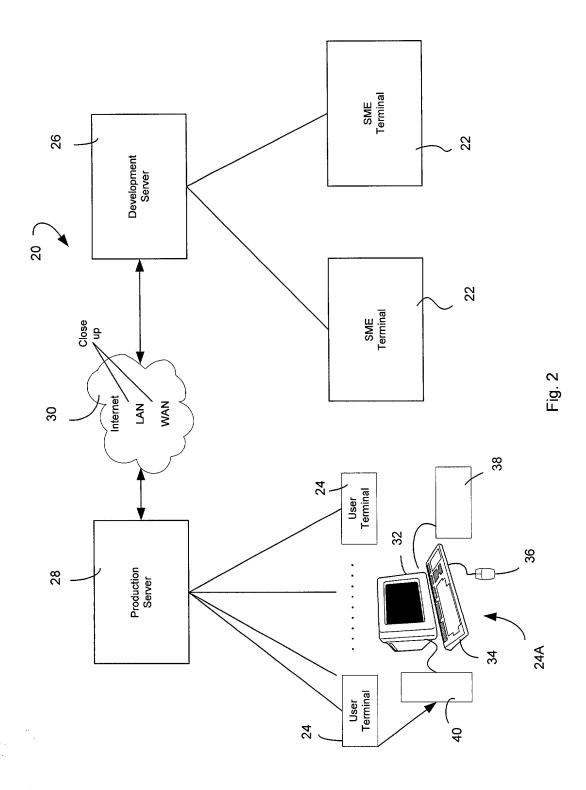


Fig. 1



KC-846687-1, p 2

Fig. 3

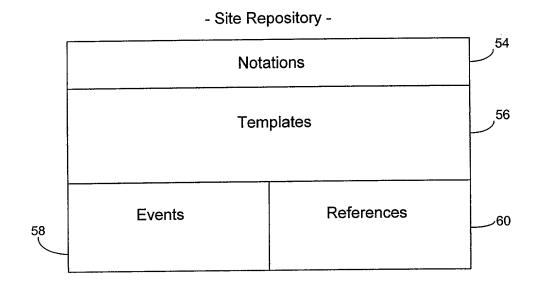
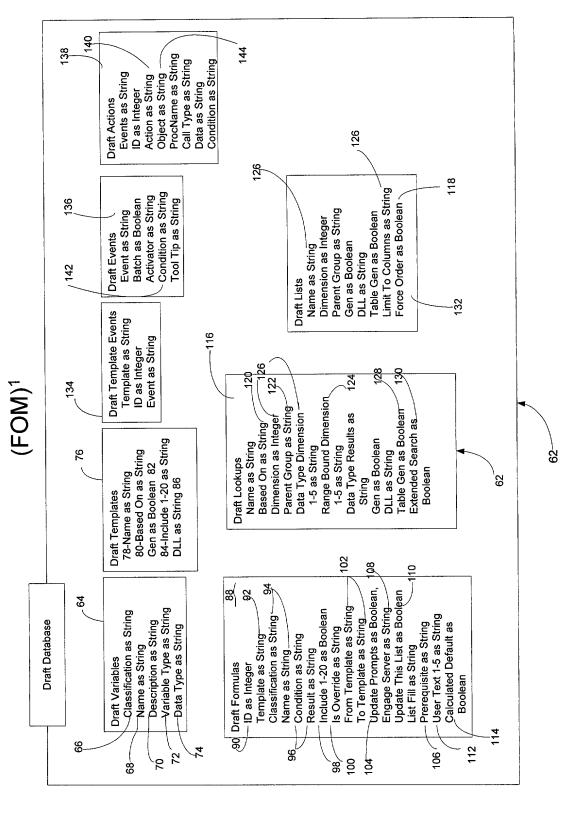
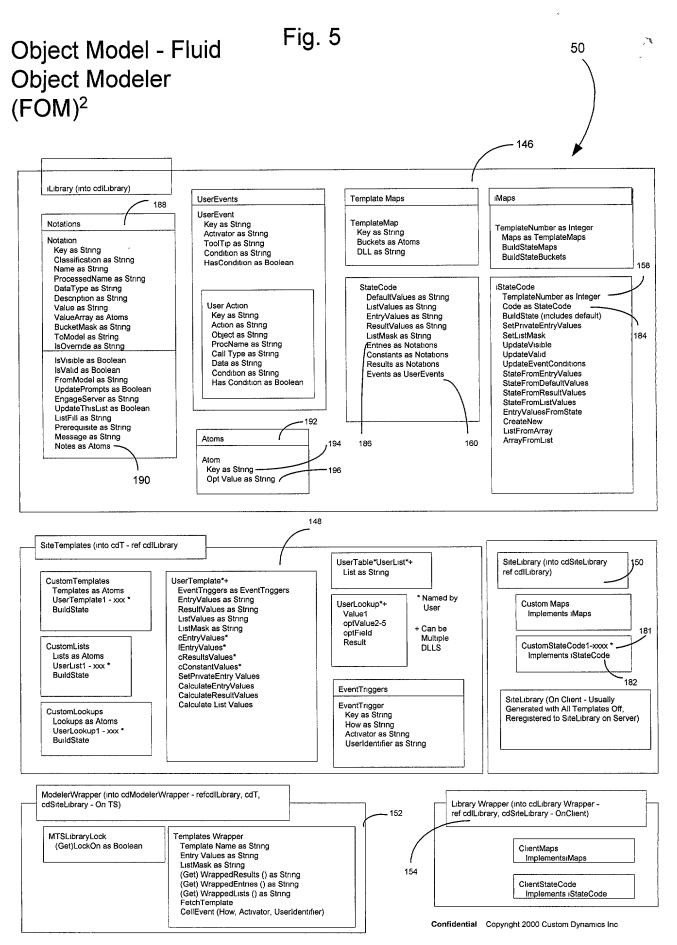


Fig. 4

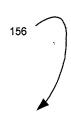
## Database Model -





## Fig. 6

## Object Model - Fluid Object Material (FOM)<sup>3</sup>



Modeler (into cdModeler ref cdILibrary, cdModelerWrapper, cdLibrary Wrapper - On Client)

Working Models Key as Long Notes as Atoms

Get Maps

Get Buckets (Template Number as Integer)

Create Model (Template as String, Opt Quantity as Integer) Remove Model (Number as Long, Opt To End as Boolean)
Reconcile (Number as Long, From Template as String)

Key as Long Name as String

Template Number as Integer

Entries as Notations

Results as Notations

Events as User Events

Notes as Atoms

Initialize Model

Refresh Prompts (OptCurrentEntry as Integer)

Refresh Results

Perform Overrides

Restore Default Values

List From Array Array From List

Process Events (How As String, Activator As String, User Identifier As String)

Modeler Action (User Identifier As String, User Event As String, Action As String, Model Number As Long, Object As String, Proc Name As String, Call Type As String, Data As String)

Action Complete (User Identifier As String, User Event As String, Action As String, Model

Number As Long, Status Code As Long, Status Message As String)

Template Maps

Template Map Key as String Buckets as Atoms DLL as String

Atoms

Key as String Op Value as String

Notations

Notation Key as String Classification as String Name as String Processed Name as String Data Type as String Description as String Value as String Value Array as Atoms Bucket Mask as String Frame as String

Is Override as String

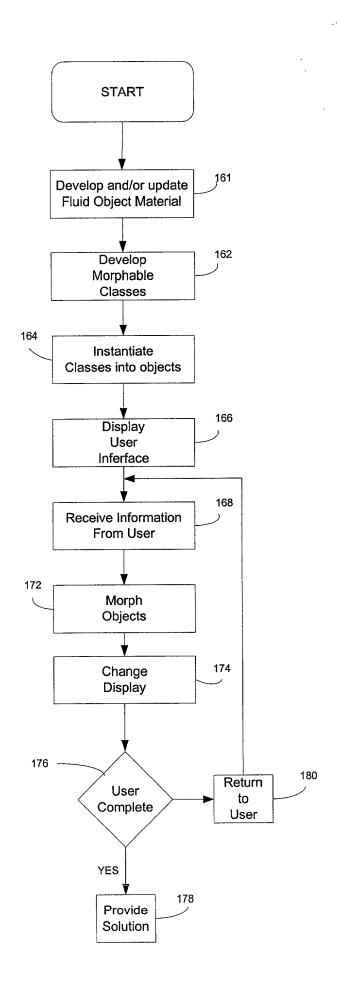
Is Visible as Boolean Is Valid as Boolean From Template as String Update Prompts as Boolean Engage Server as String Update This List as Boolean List Fill as String Prerequsite as String Message as String Notes as Atoms

User Events

User Event Key as String Activator as String Tool Tip as String Condition as String Has Condition as Boolean

User Action Key as String Action as String Object as String
Proc Name as String
Call Type as String Data as String Condition as String Has Condition as Boolean

Fig. 7



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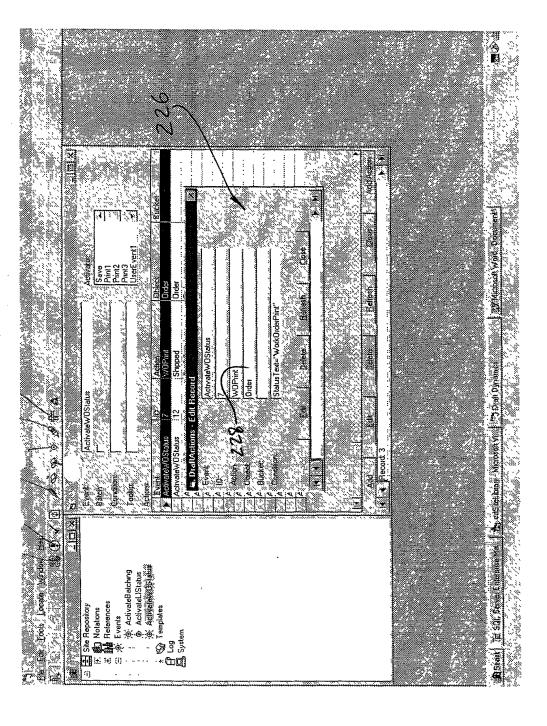
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Fig. 10



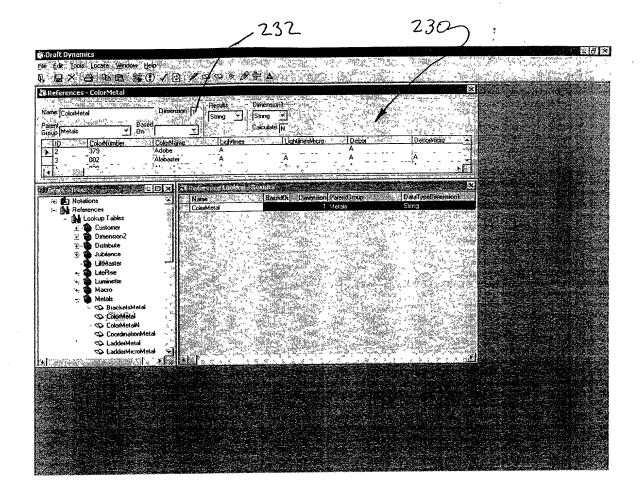


Fig. 12

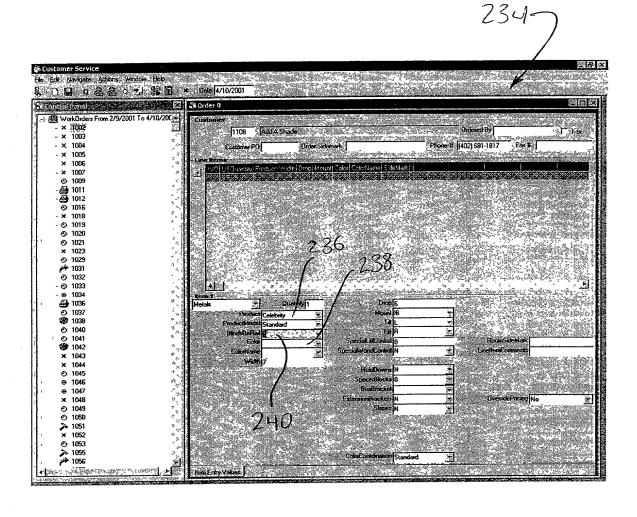


Fig 13A

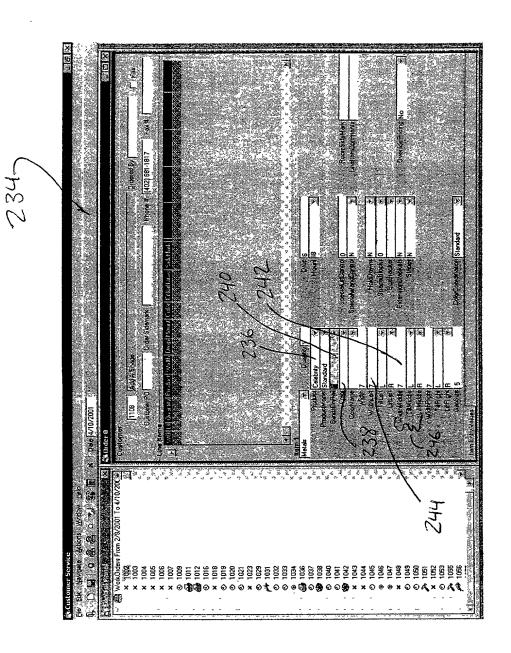


Fig. 13B

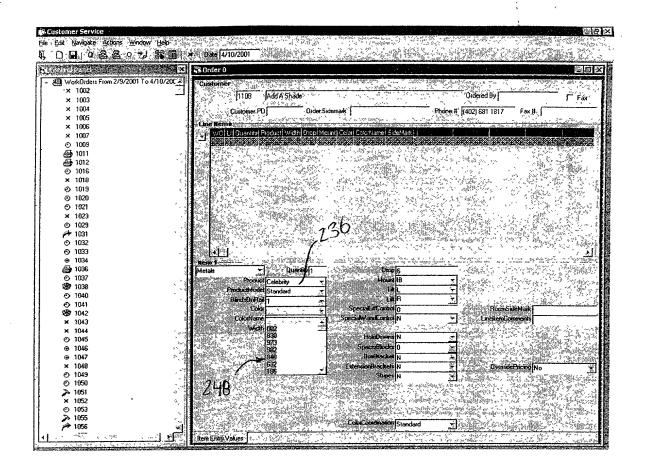


Fig. 14A

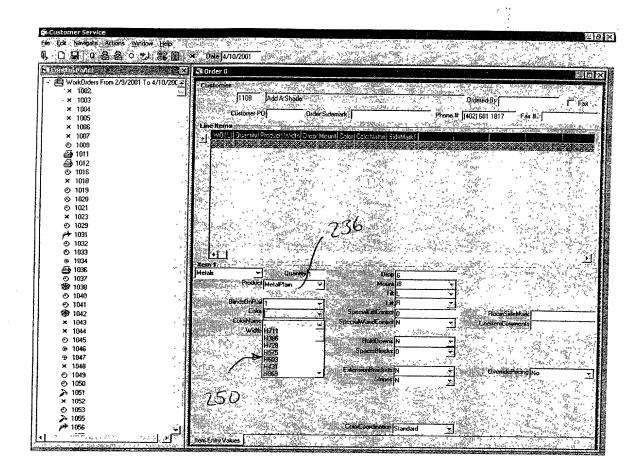


Fig. 14B